
Merjenje radioaktivnosti v okolju - Tla - 2. del: Navodilo za izbiro strategije vzorčenja, vzorčenje in pripravo vzorcev (ISO 18589-2:2015)

Measurement of radioactivity in the environment - Soil - Part 2: Guidance for the selection of the sampling strategy, sampling and pre-treatment of samples (ISO 18589-2:2015)

Ermittlung der Radioaktivität in der Umwelt - Erdboden - Teil 2: Leitlinie für die Auswahl der Probenahmestrategie, Probenahme und Vorbehandlung der Proben (ISO 18589-2:2015)

Mesurage de la radioactivité dans l'environnement - Sol - Partie 2: Lignes directrices pour la sélection de la stratégie d'échantillonnage, l'échantillonnage et le prétraitement des échantillons (ISO 18589-2:2015)

Ta slovenski standard je istoveten z: EN ISO 18589-2:2017

ICS:

13.080.99	Drugi standardi v zvezi s kakovostjo tal	Other standards related to soil quality
17.240	Merjenje sevanja	Radiation measurements

SIST EN ISO 18589-2:2017**en,fr,de**

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Measurement of radioactivity in the environment - Soil - Part 2: Guidance for the selection of the sampling strategy, sampling and pre-treatment of samples (ISO 18589- 2:2015)

Mesurage de la radioactivité dans l'environnement -
Sol - Partie 2: Lignes directrices pour la sélection de la
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Probenahmestrategie, Probenahme und
Vorbehandlung der Proben (ISO 18589-2:2015)

This European Standard was approved by CEN on 13 September 2017.

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Contents	Page
European foreword.....	3

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European foreword

The text of ISO 18589-2:2015 has been prepared by Technical Committee ISO/TC 85 “Nuclear energy, nuclear technologies, and radiological protection” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 18589-2:2017 by Technical Committee CEN/TC 430 “Nuclear energy, nuclear technologies, and radiological protection” the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2018, and conflicting national standards shall be withdrawn at the latest by April 2018.

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INTERNATIONAL
STANDARD

ISO
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Second edition
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**Measurement of radioactivity in the
environment — Soil —**

Part 2:
**Guidance for the selection of the
sampling strategy, sampling and pre-
treatment of samples**

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Mesurage de la radioactivité dans l'environnement — Sol —

Partie 2: Lignes directrices pour la sélection de la stratégie

d'échantillonnage, l'échantillonnage et le prétraitement des échantillons

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Contents

Page

Foreword	v
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms, definitions, and symbols	1
4 Principle	2
5 Sampling strategy	3
5.1 General.....	3
5.2 Initial investigation.....	3
5.3 Types of sampling strategies.....	4
5.4 Selection of the sampling strategy.....	4
6 Sampling plan	5
6.1 General.....	5
6.2 Selection of sampling areas, units, and points.....	5
6.2.1 General.....	5
6.2.2 Sampling for use with a probabilistic strategy.....	6
6.2.3 Sampling for use with an orientated strategy.....	6
6.2.4 Selection criteria of sampling areas and sampling units.....	6
6.3 Identification of sampling areas, units, and points.....	7
6.4 Selection of field equipment.....	7
7 Sampling process	8
7.1 General.....	8
7.2 Collection of samples.....	8
7.2.1 Selection of sampling depth versus objectives of the study.....	8
7.2.2 Sampling surface soil.....	11
7.2.3 Sampling soil profile.....	11
7.3 Preparation of the sorted sample.....	13
7.4 Identification and packaging of samples.....	13
7.4.1 General.....	13
7.4.2 Sample identification.....	13
7.4.3 Sample sheet.....	13
7.5 Transport and storage of samples.....	14
8 Pre-treatment of samples	15
8.1 Principle.....	15
8.2 Laboratory equipment.....	15
8.3 Procedure.....	15
9 Determination of the activity deposited onto the soil	16
9.1 General.....	16
9.2 Determination using surface activity data.....	16
9.3 Determination by integration of soil profile activity data.....	17
10 Recorded information	17
Annex A (informative) Diagram of the selection of the sampling strategy according to the objectives and the radiological characterization of the site and sampling areas	18
Annex B (informative) Diagram of the evolution of the sample characteristics from the sampling site to the laboratory	19
Annex C (informative) Example of sampling plan for a site divided in three sampling areas (A, B, C)	20
Annex D (informative) Example of a sampling record for a single/composite sample	21

ISO 18589-2:2015(E)

Annex E (informative) Example for a sample record for a soil profile with soil description 22
Bibliography 24

**iTeh STANDARD PREVIEW
(standards.iteh.ai)**

[SIST EN ISO 18589-2:2017](https://standards.iteh.ai/catalog/standards/sist/1e9fcc16-bd1c-44d5-9c6f-334f37eff6dc/sist-en-iso-18589-2-2017)

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT), see the following URL: [Foreword — Supplementary information](#).

The committee responsible for this document is ISO/TC 85, *Nuclear energy, nuclear technologies, and radiological protection*, Subcommittee SC 2, *Radiological protection*.

This second edition cancels and replaces the first edition (ISO 18589-2:2007), which has been technically revised.

ISO 18589 consists of the following parts, under the general title *Measurement of radioactivity in the environment — Soil*:

- *Part 1: General guidelines and definitions*
- *Part 2: Guidance for the selection of the sampling strategy, sampling and pre-treatment of samples*
- *Part 3: Test method for gamma-emitting radionuclides using gamma ray spectrometry*
- *Part 4: Measurement of plutonium isotopes (plutonium 238 and plutonium 239+240) by alpha spectrometry*
- *Part 5: Measurement of strontium 90*
- *Part 6: Measurement of gross alpha and gross beta activities*
- *Part 7: In situ measurement of gamma-emitting radionuclides*

ISO 18589-2:2015(E)**Introduction**

This International Standard is published in several parts to be used jointly or separately according to needs. ISO 18589-1 to ISO 18589-6 concerning the measurements of radioactivity in the soil, have been prepared simultaneously. These parts are complementary and are addressed to those responsible for determining the radioactivity present in soils. The first two parts are general in nature. ISO 18589-3 to ISO 18589-5 deal with radionuclide-specific measurements and ISO 18589-6 deals with non-specific measurements of gross alpha or gross beta activities. ISO 18589-7 deals with the measurement of gamma emitters radionuclides using *in situ* spectrometry.

Additional parts can be added to ISO 18589 in the future if the standardization of the measurement of other radionuclides becomes necessary.

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